

20th October 2019

Submission to – The Committee of Enquiry into the deployment, adoption and application of 5G in Australia

Dear Enquiry Committee,

My name is Kaye Handley, admin of the Stop 5G Bunbury (WA) campaign, member of Perth (WA), Australia and the Global Stop 5G campaigns and I make this submission today because I am extremely concerned about the rollout and upgrades to the 5G technology in Australian.

I've been researching and informing myself and others about the dangers of 5G for almost a year now and continue to be active in rallies and information dissemination to groups, communities, government agencies and the telecommunication industry.

I am also extremely concerned about the speed with which the telecommunication industry is installing towers and upgrading existing infrastructure without community consultation or due diligence to duty of care of the community, overriding worldwide, independent scientific studies of the dangers of 5G. The precautionary principle is not being applied despite overwhelming concern from citizens, doctor's, scientists, professors and industry experts worldwide. Many groups have contacted council and government representatives which has been met with either silence or the same standard reply that is – '5G falls below exposure levels set out by ARPANSA, Australian Communications and Media Authority (ACMA) and World Health Organisation (WHO), that it is non ionizing radiation, so it is safe.' These responses show ignorance and refusal to consider any of the (independent and unbiased) studies and peer reviewed work that is available and easily accessible and shows the complete neglect of the welfare of Australia's people's, animals and environmental health and wellbeing.

From my research it's clear that since the inception of the Generation technology (2G,3G,4G and 5G) the health of the populace had decreased with cancers and neurological disorders now wide spread. Especially in children. If there are health problems associated with the lower frequencies (of 2,3 and 4G) I have real fears about how much worse the health of every living thing will be with 5G.

Please consider these excerpts from some of the professionals in their fields on the subject.

The Oceania Radiofrequency Scientific Advisory Association (ORSAA) is an excellent source of scientific evidence into how Electromagnetic Fields (EMF's) and radiofrequency radiation (RFR) exposure impact human health and the environment. *"The development of cellular phone system has greatly increased the extent and magnitude of radiofrequency radiation (RFR) exposure. The RFR emitted from mobile phone and mobile phone base stations exerts thermal and non-thermal effects. The short-term and long-term exposure to RFR may have adverse effect on humans as well as animals. Most laboratory studies have indicated a direct link between exposure to RFR and adverse biological effects. Several in vitro studies*

have reported that RFR induces various types of cancer and DNA or chromosomal damage...” <https://www.orsaa.org>
https://www.orsaa.org/uploads/6/7/7/9/67791943/bio-effect_findings_full_version.pdf

Martin Pall PhD, Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University, was asked to respond to a letter from the Australian Radiation Protection and Nuclear Safety Agency which stated there are no health risks to low ionizing radiation. He notes ARPANSA provided “*not one iota of evidence that its exposure standard is based on scientific research or that it protects us from any, let alone all harmful effects nor that it protects people of all ages and health status against all known adverse effects of RF (the word they are using for microwave frequency) exposures*”.

Professor Pall pointed out that by ignoring 158 bodies of evidence ARPANSA completely fails in its responsibility to protect the health of Australians. He goes on to say that, in general, “*ARPANSA makes grandiose claims that are both undocumented and found to be false or, at best highly questionable when one examines the scientific literature.*”

<https://stopsmartmeters.com.au/2019/03/22/emeritus-professor-martin-pall-slams-arpansa-response/>

Professor Dariusz Leszczynski PhD, DSc; Adjunct Professor states – “*Even though the available science doesn’t prove that mobile phone radiation causes cancer, there is enough evidence to show that it could—not just possibly—but probably cause health problems. It’s certainly untrue to claim that there is no risk and the fact that effects are being shown at exposures allowed by international standards shows that these standards are not adequate to protect users. Certainly, the scientific evidence that mobile phone radiation may be harmful is sufficient to justify applying the Precautionary Principle.*”

<http://www.emraustralia.com.au/knowledgebase/professor-dariusz-leszczynski>

Dr Devra Davis is an Epidemiologist and writer, Co-founder and President of the Environmental Health Trust. *Dr Davis has published peer reviewed science associating exposure with biological effects already indicates that the current wireless technologies of 2G, 3G and 4G – in use today with our cell phones, computers and wearable tech poses serious risks to humans, animals and the environment. More than 240 scientists published an appeal to the United Nations to reduce public exposure and are calling for a moratorium on 5G citing “established” adverse biological effects of RF radiation.*

<https://ehtrust.org>

Steven Weller - Bachelor of Science degree in biochemistry and microbiology from Monash University states - “*Unless the nexus between government and industry ’can be broken it is unlikely we will see a fair assessment of the science or the recognition of the potential harm that is being suggested by the accumulated research. The main issue being there is too much money to be made and to take a precautionary stance is seen as an unnecessary burden because it would undoubtedly have negative*

consequences on industrial output, population surveillance initiatives and military function.” <https://www.emfsa.co.za/research-and-studies/guest-blog-steve-weller-australia-brhp/>

Recommendations to the Enquiry Committee –

1. To take immediate action to halt the roll out and upgrades of the fifth generation, 5G technology
2. Recommend a moratorium on the roll-out of the fifth generation, 5G, for telecommunication until potential hazards for human health and the environment have been fully investigated by scientists independent from industry.
3. Prioritise wired connections over wireless options
4. Advise the Precautionary Principle approach to government, industry and the public

Thank you for your consideration.

Yours sincerely,

Kaye Handley

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[Redacted contact information]